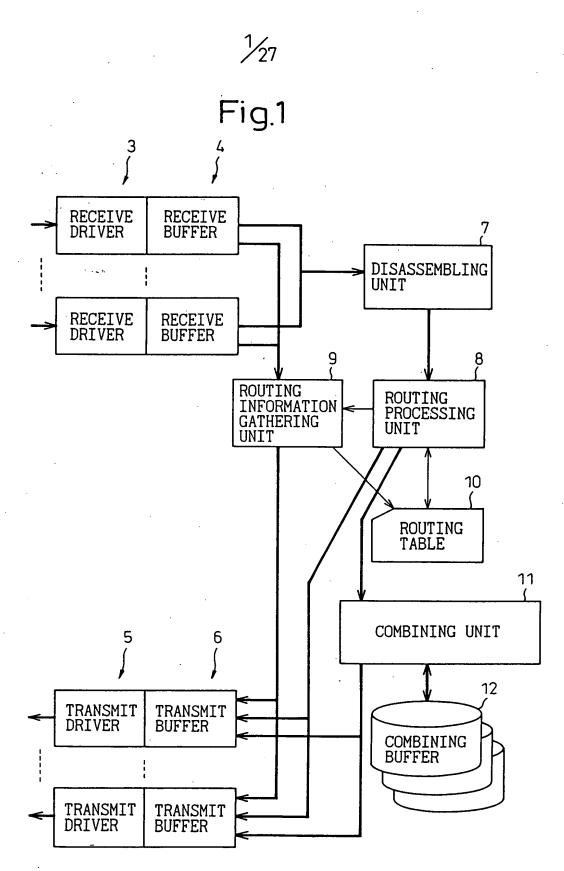
þ.L



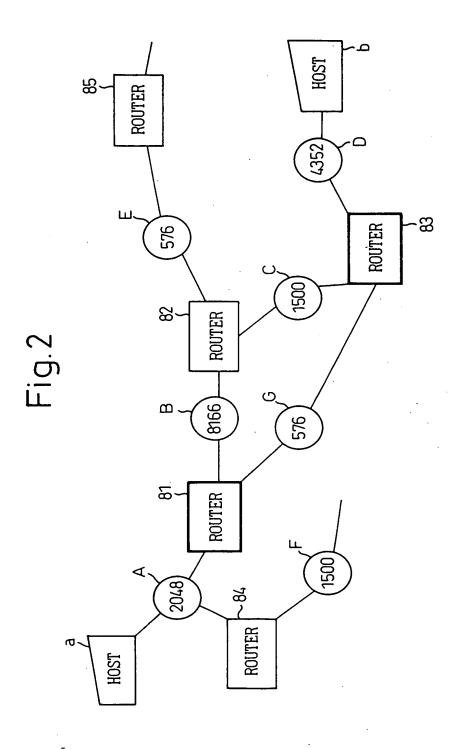


Fig.3

1			7	
	DISASSEM- BLING ROUTER	83	83	
	COMBINED PACKET	ACCEPTABLE	ACCEPTABLE	UN- ACCEPTABLE
,	TRANSMISSION PATH MTU	1500	9/5	
	DISTANCE	2	1	
IN ROUTER 81	NEXT HOP ROUTER	28	83	
ROUTING TABLE IN ROUTER 81	NETWORK	Q	O	

Fig.4

-	DISASSEM- BLING ROUTER	. 81	83	
,	COMBINED PACKET	ACCEPTABLE	ACCEPTABLE	UN- ACCEPTABLE
	TRANSMISSION PATH MTU	2048	1500	
	DISTANCE	l	1	*
ROUTING TABLE IN ROUTER 82	NEXT HOP ROUTER	18	83	
ROUTING TABLE	NETWORK	A	D	

4/27

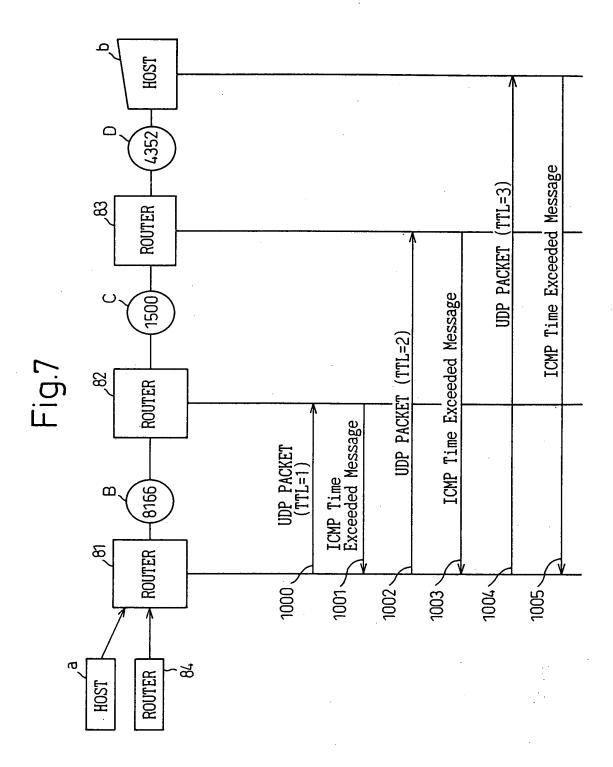
Fig.5

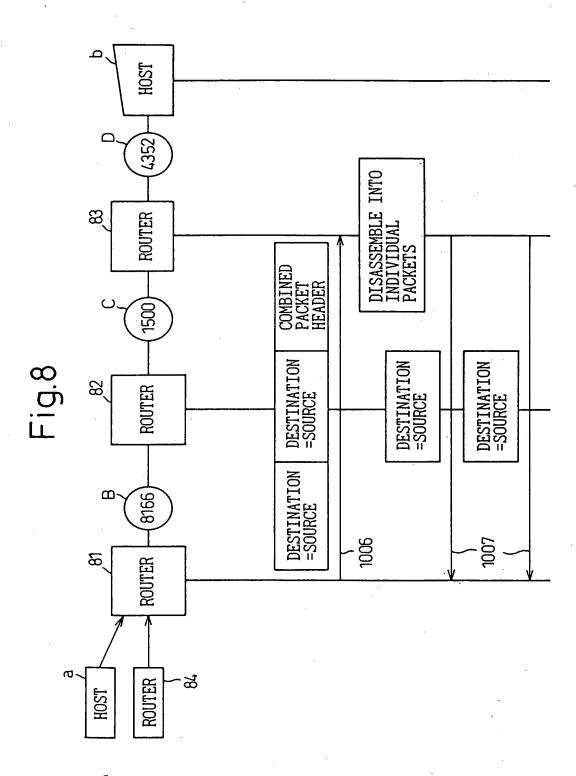
		· T	 	
	DISASSEM- BLING ROUTER	18	8	
	COMBINED PACKET	ACCEPTABLE	ACCEPTABLE	UN- ACCEPTABLE
	TRANSMISSION PATH MTU	1500	576	
	DISTANCE	2	1	
ROUTING TABLE IN ROUTER 83	NEXT HOP ROUTER	82	81	
ROUTING TABLE	NETWORK	A	٨	

Fig.6

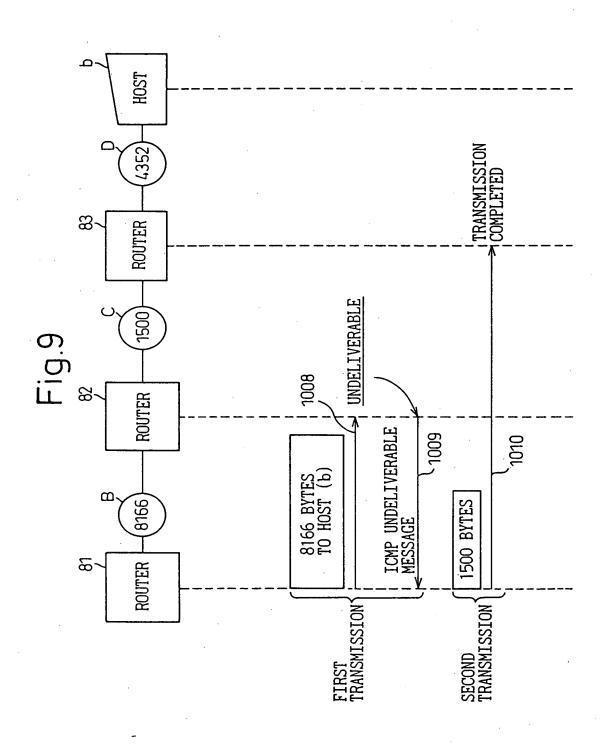
NETWORK ADDRESSES OF NETWORKS

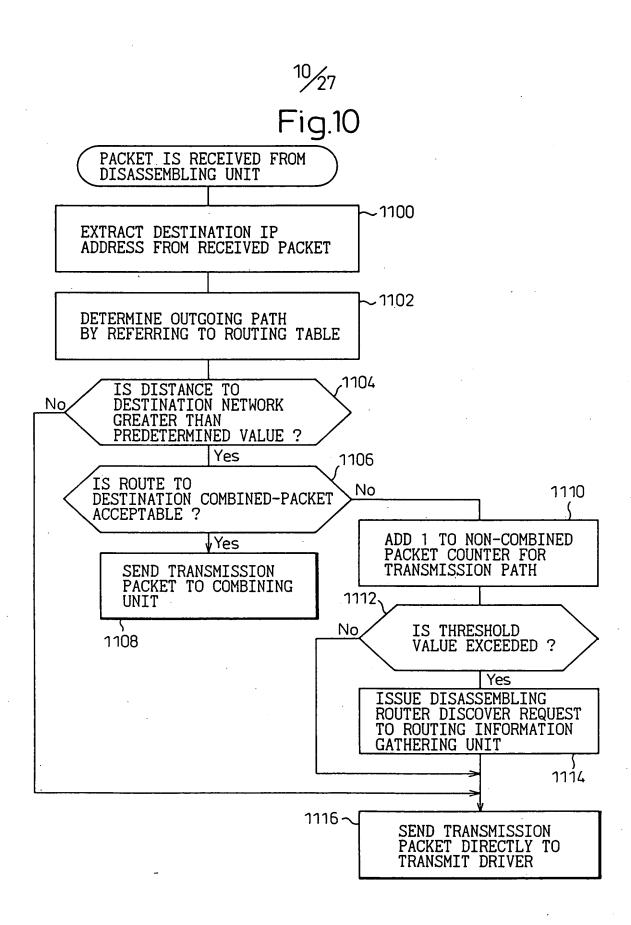
NETWORK	NETWORK ADDRESS	SUBNET MASK
Α	10. 100. 0. 0	255. 255. 0. 0
В	10. 0. 0. 0	255. 0.0. 0
С	20. 0. 0. 0	255. 0.0. 0
D	20. 210. 0. 0	255. 255. 0. 0
E	20.200.0.0	255. 255. 0. 0
F	10. 100. 1. 0	255 255 255.0
G	30.0.0.0	255.0.0.0





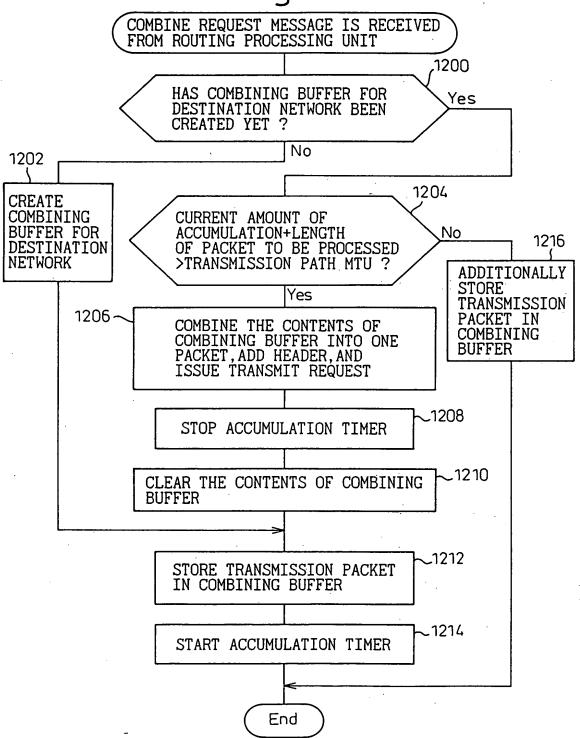
8/27





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Fig.11



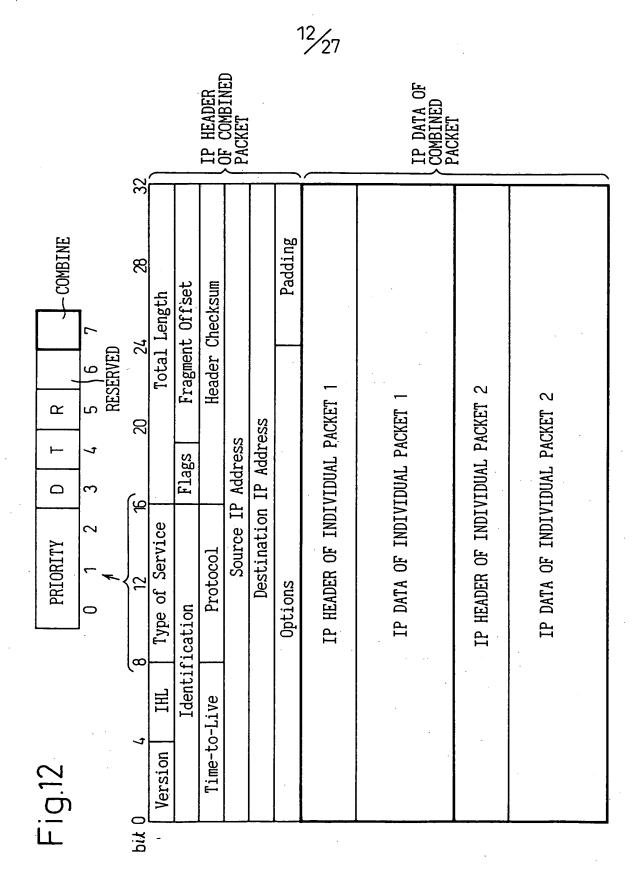
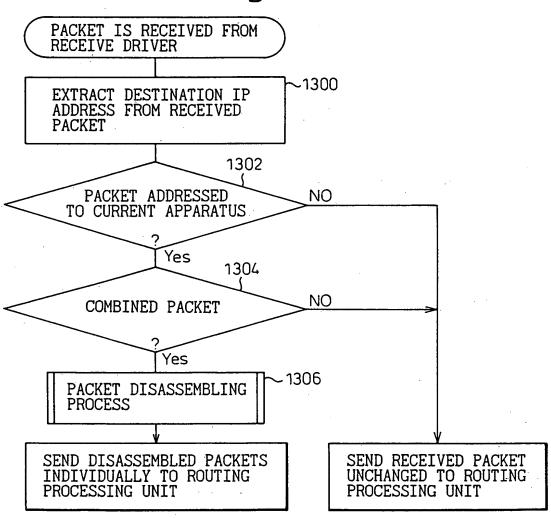


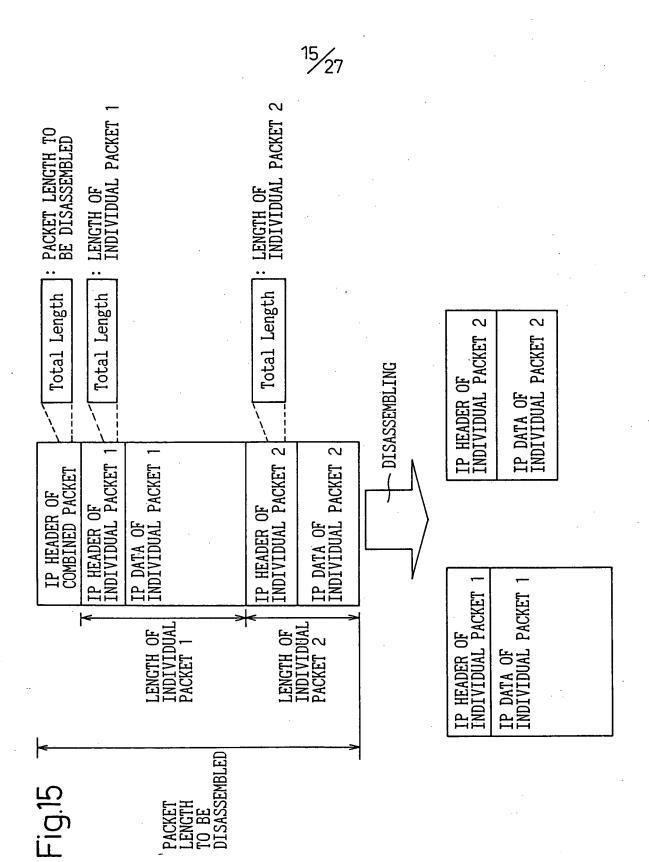
Fig.13



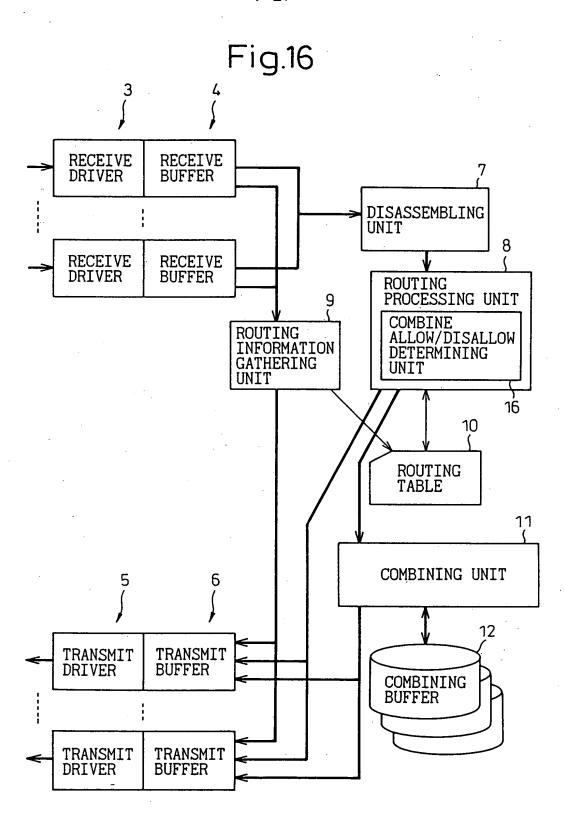
14/27

Fig.14

PACKET DISASSEMBLING PROCESS EXTRACT TOTAL LENGTH FROM PACKET TO BE DISASSEMBLED→ "PACKET LENGTH TO BE DISASSEMBLED" SET IP DATA START POINT OFFSET IN "PROCESSING POINTER" EXTRACT TOTAL LENGTH FROM THE POSITION OF "PROCESSING POINTER"+2 BYTES→ "INDIVIDUAL PACKET LENGTH" SEPARATE AREA FROM PROCESSING POINTER TO OFFSET+"INDIVIDUAL PACKET LENGTH" VALUE AS ONE INDIVIDUAL PACKET PROCESSING POINTER ← PROCESSING POINTER +INDIVIDUAL PACKET LENGTH PROCESSING POINTER= No PACKET LENGTH TO BE DISASSEMBLED ? Yes DISASSEMBLING INTO INDIVIDUAL PACKETS IS COMPLETED End



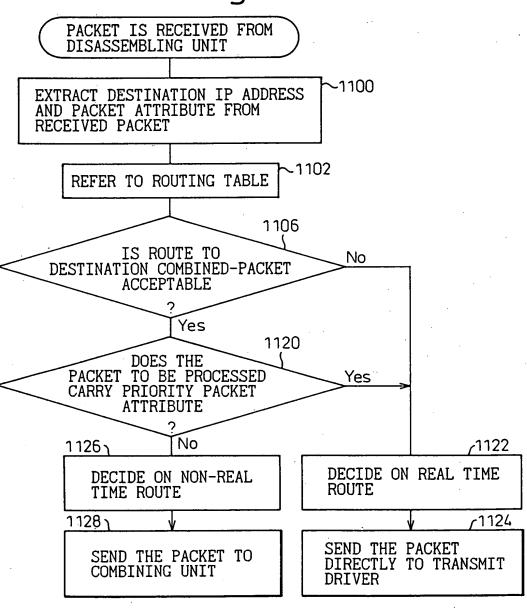
16/₂₇



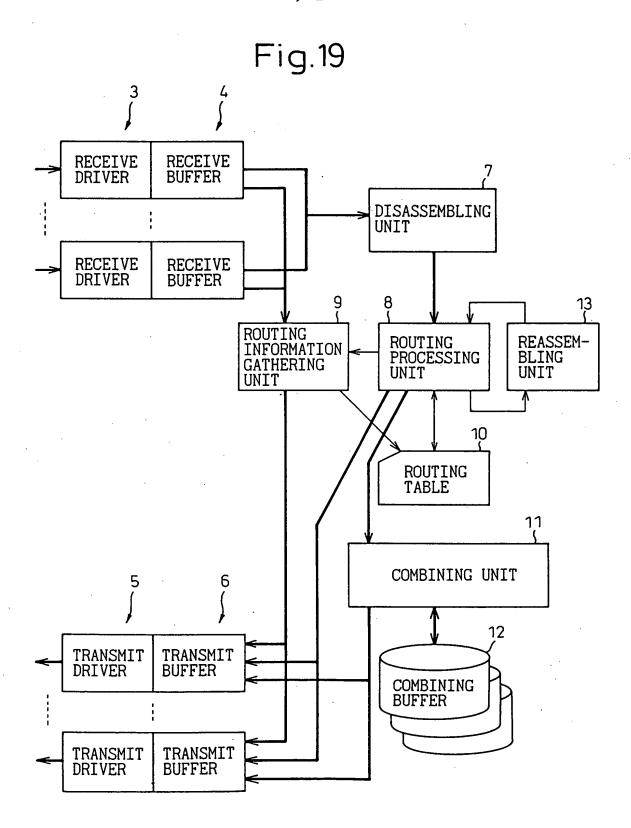
17/₂₇

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	NETWORK CONDITION	CONGESTED	NORMAL	
	PATH ATTRIBUTE	NON-REAL TIME ROUTE	REAL TIME ROUTE	
	DISASSEM- BLING ROUTER	83	83	
	COM- BINED PACKET	ACCEP- TABLE	ACCEP- TABLE	
	TRANSMISSION PATH MTU	1500	9/5	
3R 81	DIS- TANCE	2	l	
LE IN ROUTE	NEXT HOP ROUTER	. 85	83	
ROUTING TABLE IN ROUTER 81	NETWORK	· O	O	

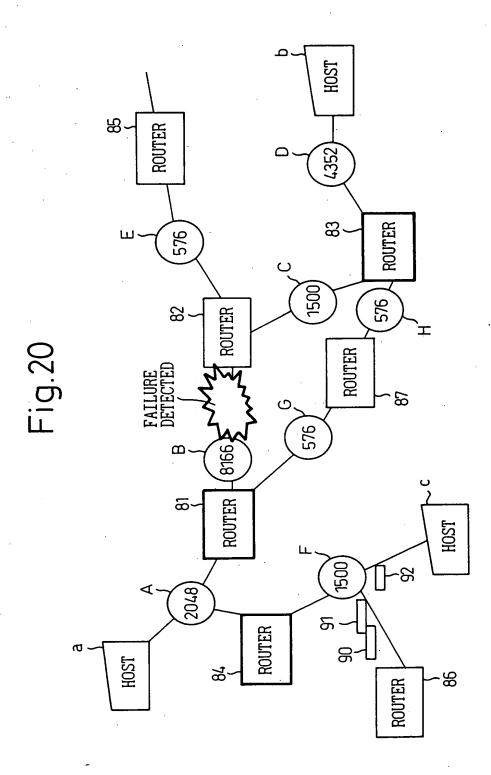
Fig.18



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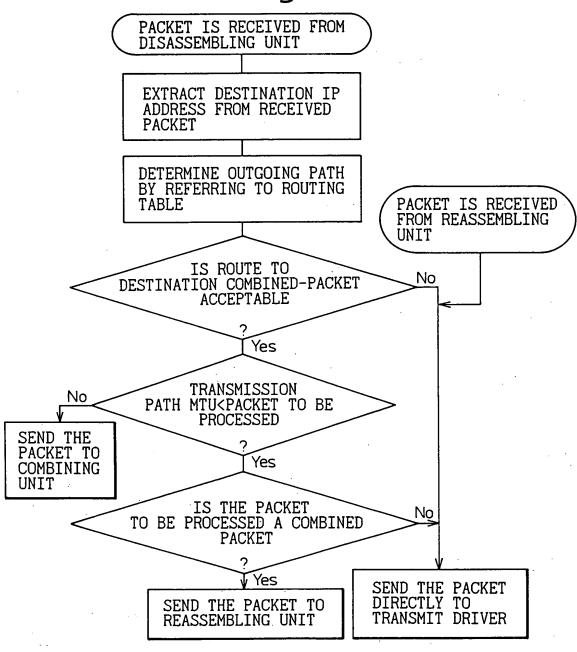
H	ROUTING TABLE IN ROUTER 84					
NEX	NEXT HOP ROUTER	DISTANCE	TRANSMISSION PATH MTU	COMBINED PACKET	DISASSEM- BLING ROUTER	NETWORK CONDITION
	81	3	1500	ACCEPTABLE	83	NORMAL

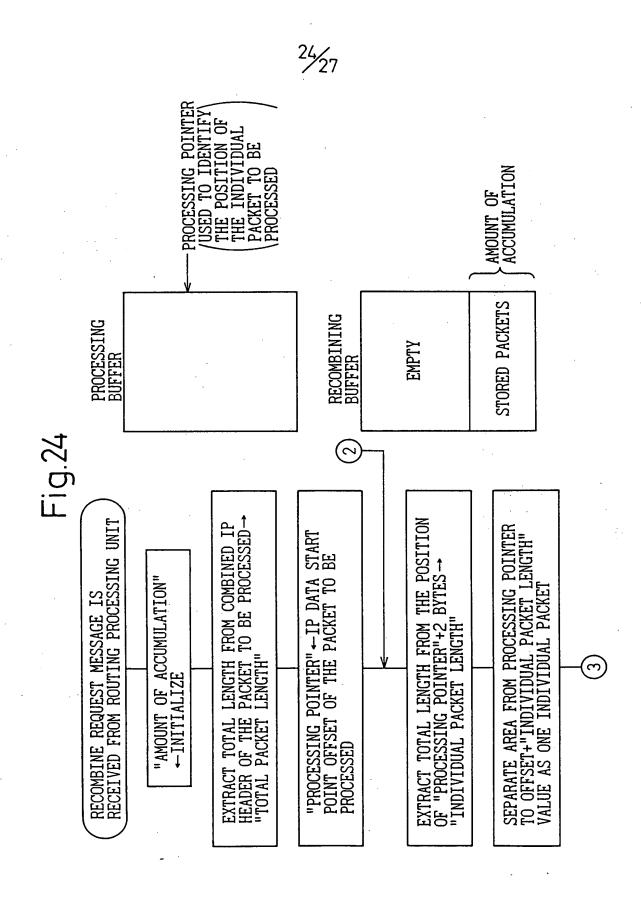
21/27

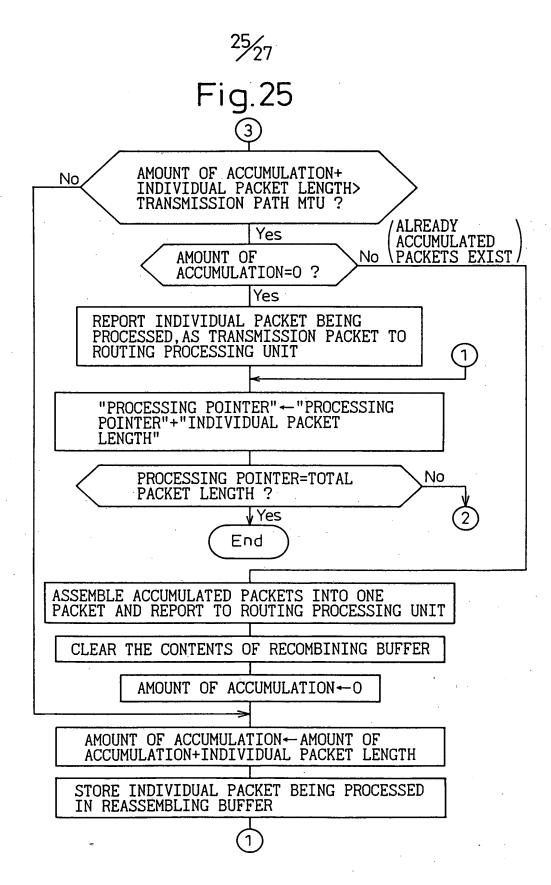
Fig.22

	2	2/27		
	NETWORK CONDITION	FAILED	NORMAL	
	DISASSEM- BLING ROUTER	83	83	
	COMBINED PACKET	ACCEPTABLE	ACCEPTABLE	
	TRANSMISSION PATH MTU	1500	9/5	
	DISTANCE	2	5	
IN ROUTER 81	NEXT HOP ROUTER	82	87	
ROUTING TABLE IN ROUTER 81	NETWORK	O	Q	

Fig.23







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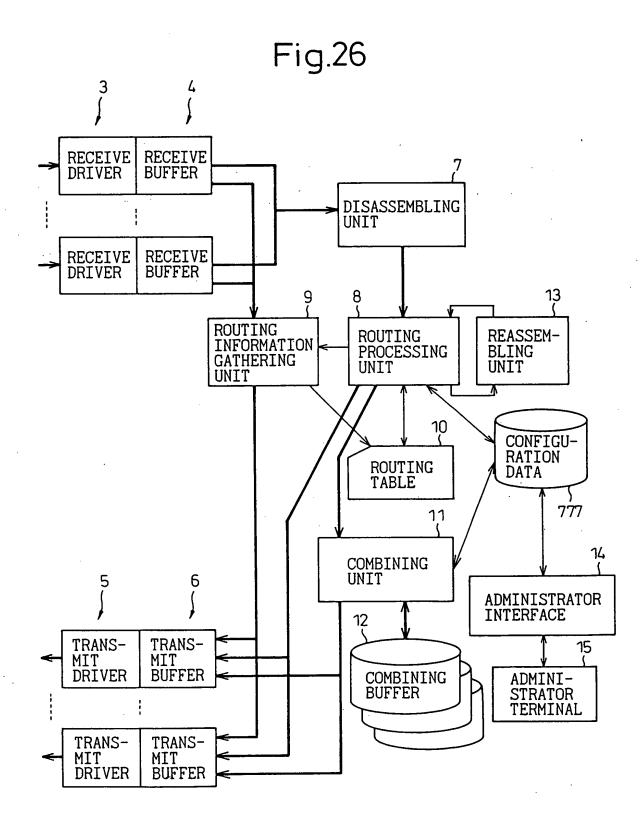


Fig.27

THRESHOLD TO START COMBINING NUMBER OF HOPS TO EFFECT COMBINING PACKET ATTRIBUTE TO EFFECT COMBINING FOR ROUTING PROCESSING UNIT Reserved Reserved Reserved Reserved Reserved ACCUMULATION TIMER VALUE Reserved Reserved FOR COMBINING Reserved UNIT Reserved Reserved Reserved Reserved